

E7.4-10034

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Monthly Report
to
National Aeronautics and Space
Administration

E74-10034) [USE OF MULTISPECTRAL SYSTEMS
TO IDENTIFY FROM REMOTELY SENSED DATA
THE PHYSICAL AND THERMAL CHARACTERISTICS
OF PLANTS AND SOIL] (South Dakota State
Univ.) 2 p HC \$3.00 CSCL 08M

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G3/13

Contract No. NAS 9-13337

Period Ending October 1, 1973

Remote Sensing Institute
South Dakota State University
Brookings, South Dakota 57006

3.0 Report of work as identified in Ex. A (SOW)---Contract NAS 9-13337

3.1 Progress Reports

a. Overall status ----

A project review was presented to Mr. Ryborn Kirby. At that time, we agreed that no significant SKYLAB data had been collected over the South Dakota test site. Formulation of a new test site was beginning to move to an area where activity growing vegetation will be present for SL-4. The screening process for a new test site was concluded by choosing a site in the Lower Rio Grand Valley, Texas. Coordination with Mr. Craig Weigand, ARS, was initiated to select the precise site.

The Robert's Gradient method for boundary detection was modified to select only certain boundaries with specific characteristics.

b. Recommendations ----

Recommendations at this time are to further the proposal investigation and pursue data collection in the Lower Rio Grand Valley for SL-4.

c. Expected accomplishments ----

A proposal will be generated to extend the initial investigation into SL-4 with a change in budget to defray additional expenses.

d. A readily.....results.....

None at this time.

e. Summary outlook ----

At this time, the summary outlook appears to follow in general, that which is stated in the "SOW" of the contract. However, those data to be analyzed will be selected after knowledge of which data are available.

f. Travel summary ----

None anticipated.